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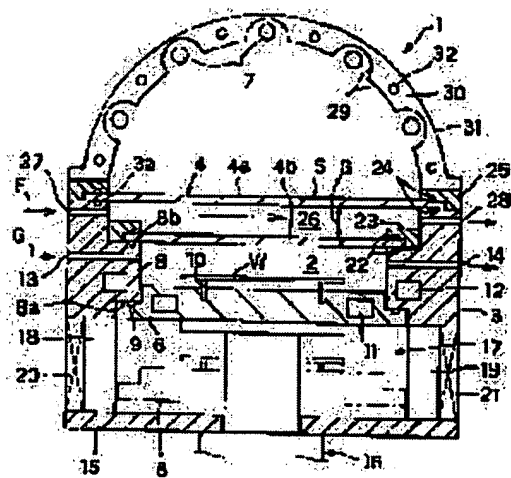
(54) HEAT TREATMENT DEVICE

(57)Abstract:

PURPOSE: To provide a heat treatment device which can uniformly heat and treat a body to be treated at a constant temperature by allowing a light transmission material to absorb not only infrared rays with an unneeded wavelength from a light source but also infrared rays radiated from the body to be treated for preventing heating.

CONSTITUTION: A light transmission window 5 consisting of a light transmission material 4 facing a body W to be treated is provided at a treatment chamber 2 for housing the body W to be treated and then performing its heat treatment. A light source 7 is provided for heating the body W to be treated by applying light via the light transmission material 4 of the light

transmission window 5. The light transmission material 4 of the light transmission window 5 is provided at a plurality of layers 4a and 4b and a cooling, layer 26 is provided for cooling the light transmission materials 4a and 4b through a refrigerant F of a cooling gas, etc., between the light



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transmission material 4a and 4b, thus preventing the light transmission materials 4a and 4b from absorbing infrared rays, etc., radiated from the body W to be treated for heating.

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